

FIG. 1

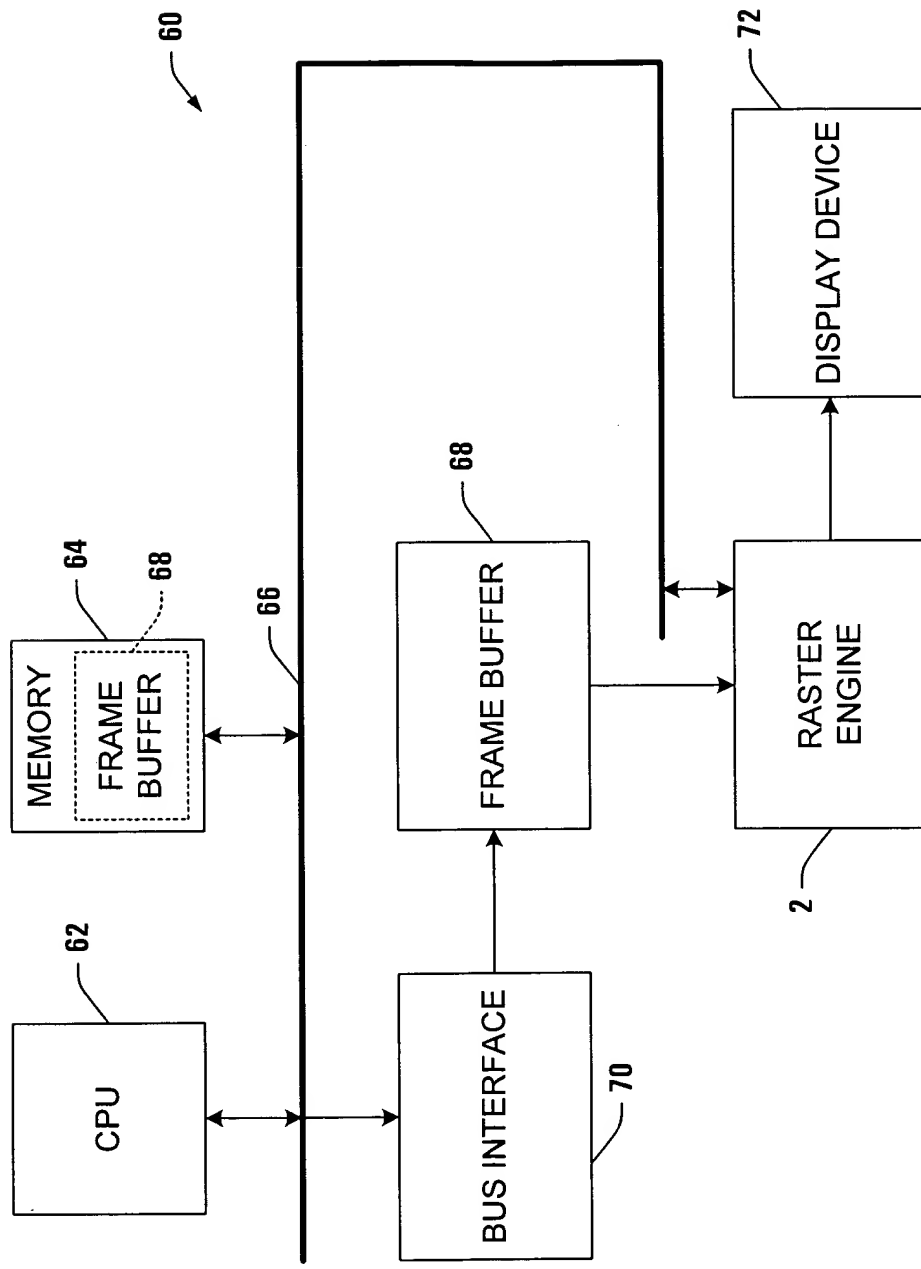


FIG. 2A

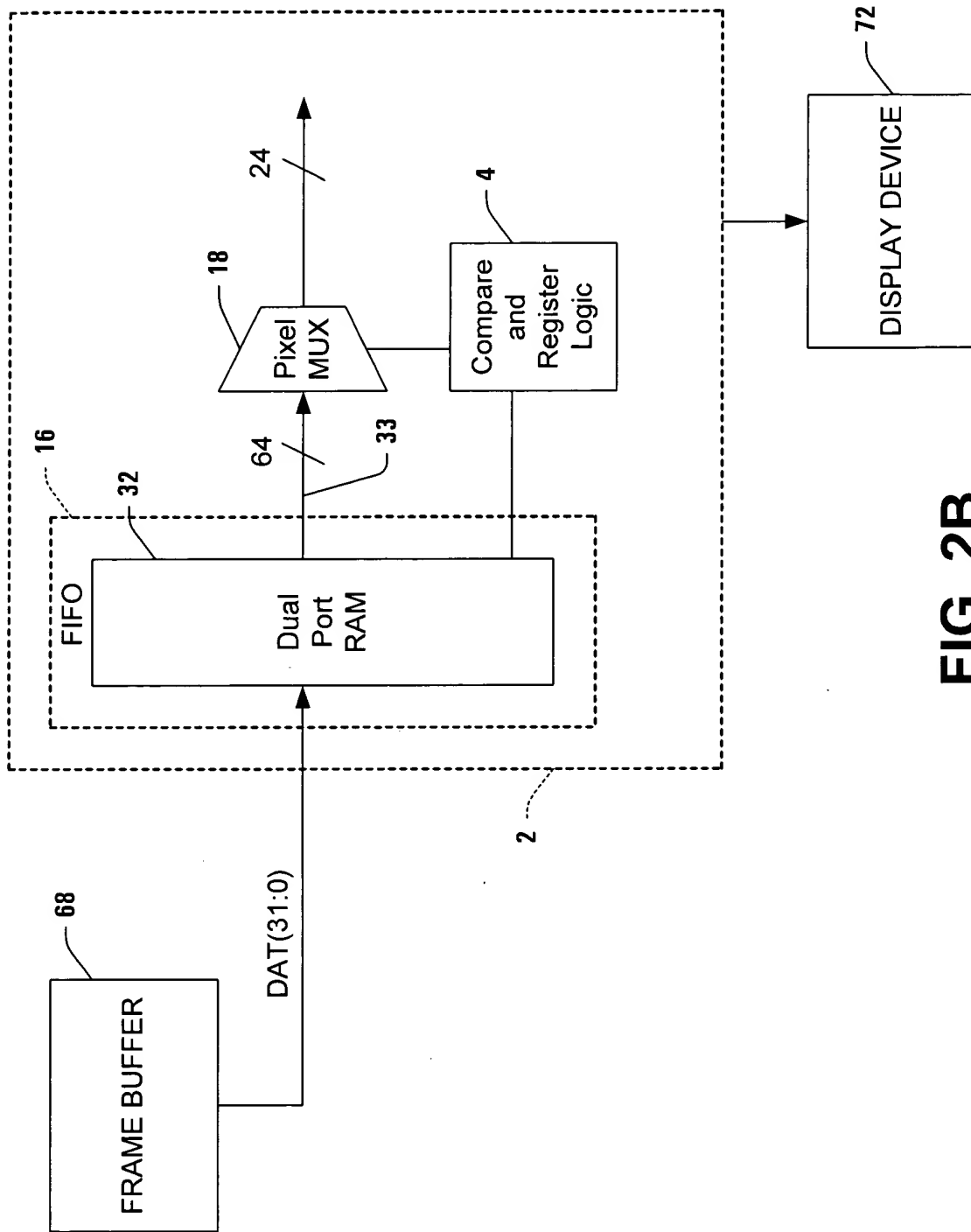


FIG. 2B

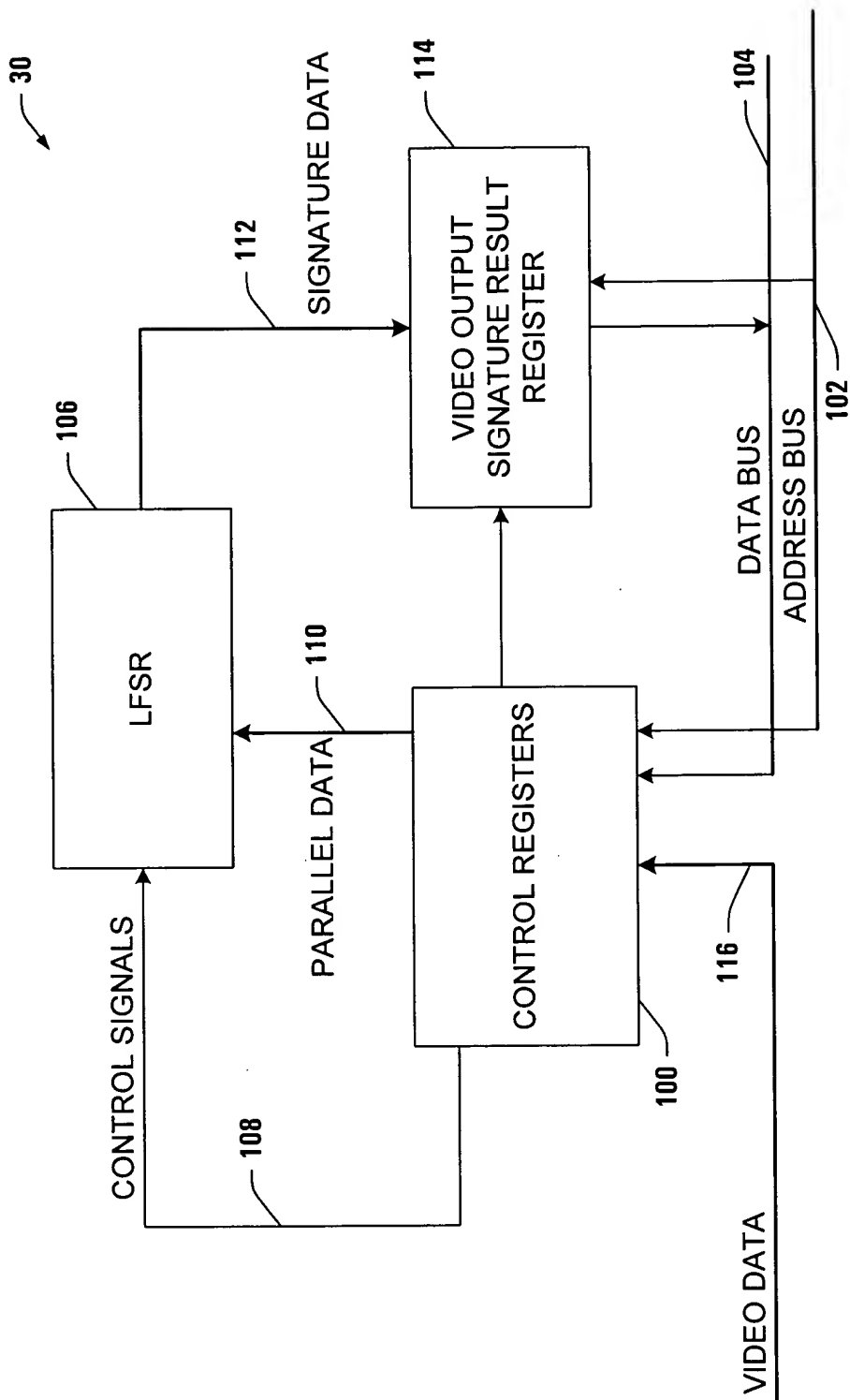


FIG. 3

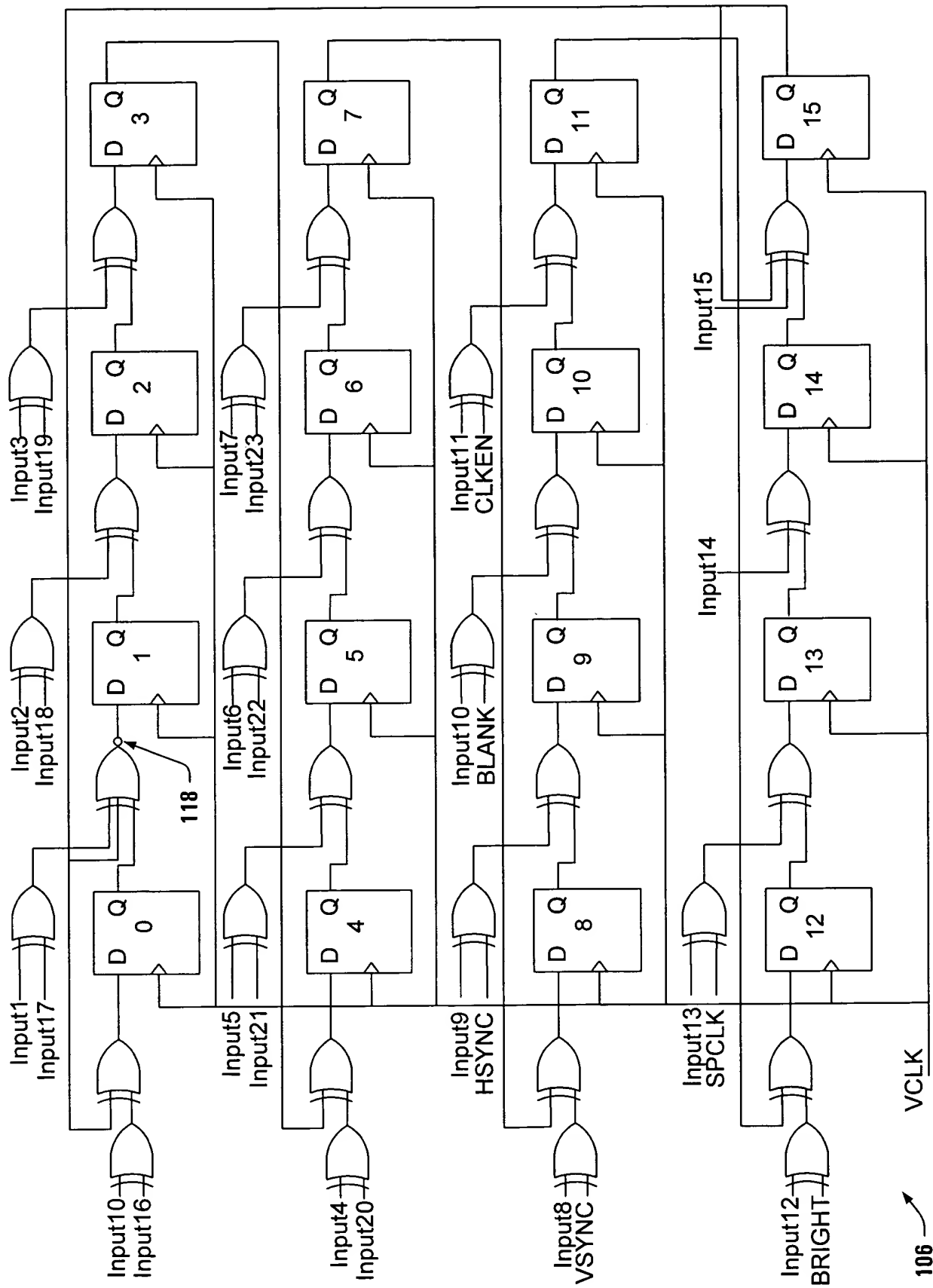


FIG. 4

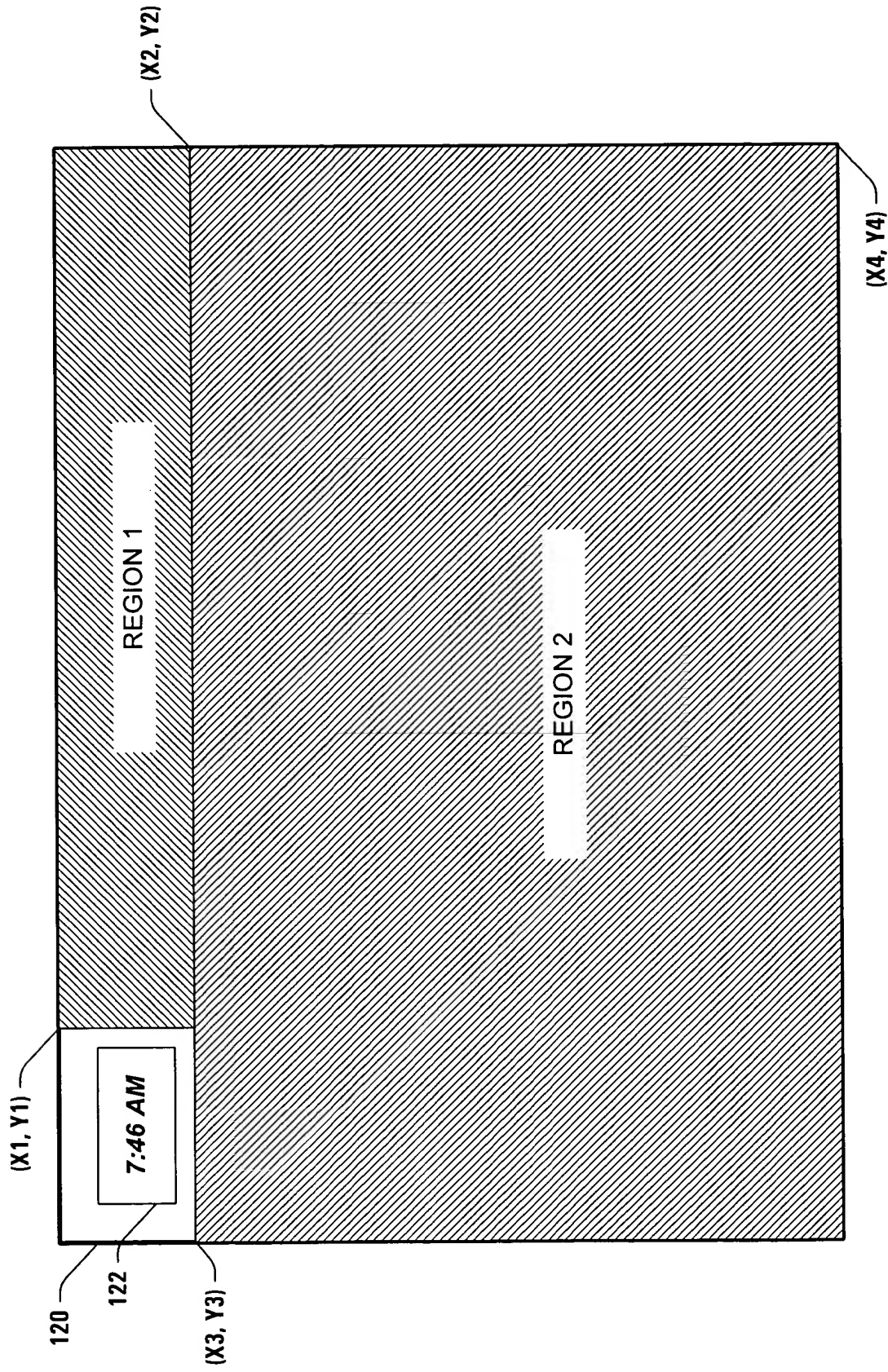


FIG. 5

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL	SIG VAL

SIGVAL

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FIG. 6A

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
EN	RSVD	SPCLK	BRIGHT	CLKEN	BLANK	HSYNC	VSYNC	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN	PEN

SIGCTL

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FIG. 6B

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	STOP ₁₀	STOP ₉	STOP ₈	STOP ₇	STOP ₆	STOP ₅	STOP ₄	STOP ₃	STOP ₂	STOP ₁	STOP ₀

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	STOP ₁₀	START ₉	START ₈	START ₇	START ₆	START ₅	START ₄	START ₃	START ₂	START ₁	START ₀

VSIGSTRTSTOP

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FIG. 6C

008260" 6E92Z960

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	STOP ₁₀	STOP ₉	STOP ₈	STOP ₇	STOP ₆	STOP ₅	STOP ₄	STOP ₃	STOP ₂	STOP ₁	STOP ₀

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	START ₁₀	START ₉	START ₈	START ₇	START ₆	START ₅	START ₄	START ₃	START ₂	START ₁	START ₀

HSIGSTRTSTOP

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FIG. 6D

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	VCLR ₁₀	VCLR ₉	VCLR ₈	VCLR ₇	VCLR ₆	VCLR ₅	VCLR ₄	VCLR ₃	VCLR ₂	VCLR ₁	VCLR ₀

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	HCLR ₁₀	HCLR ₉	HCLR ₈	HCLR ₇	HCLR ₆	HCLR ₅	HCLR ₄	HCLR ₃	HCLR ₂	HCLR ₁	HCLR ₀

SIGCLR

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FIG. 6E

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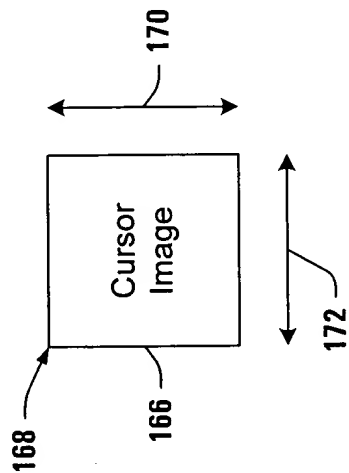
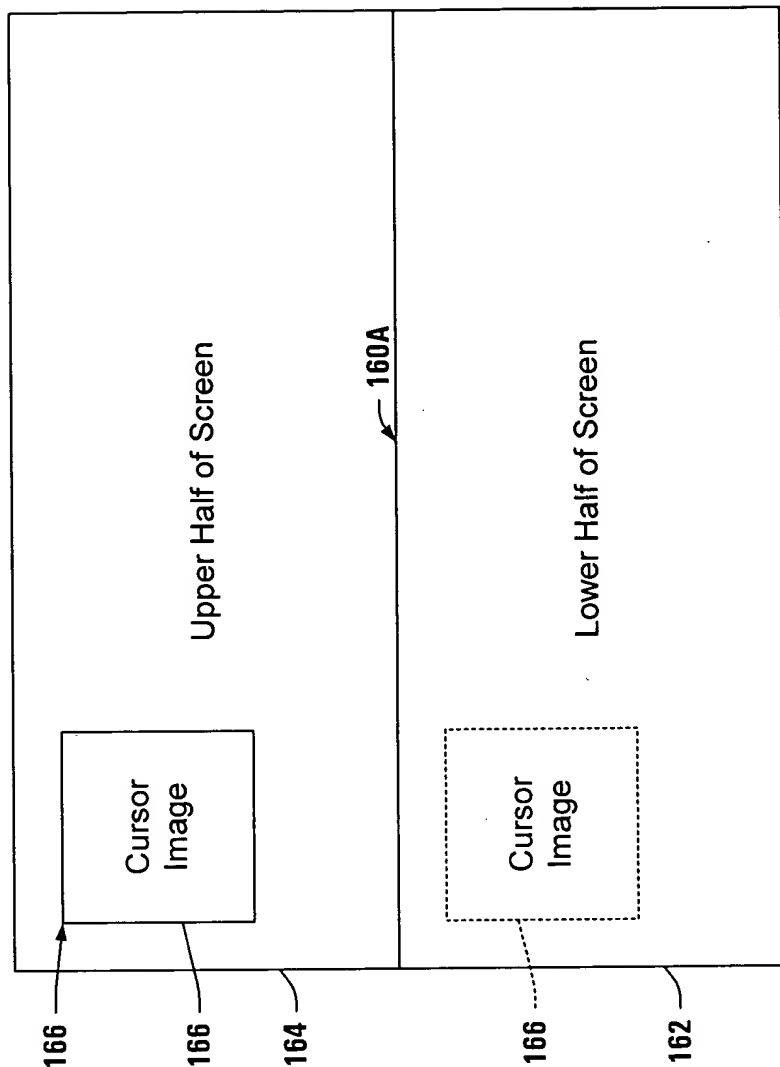


FIG. 8A

FIG. 8B

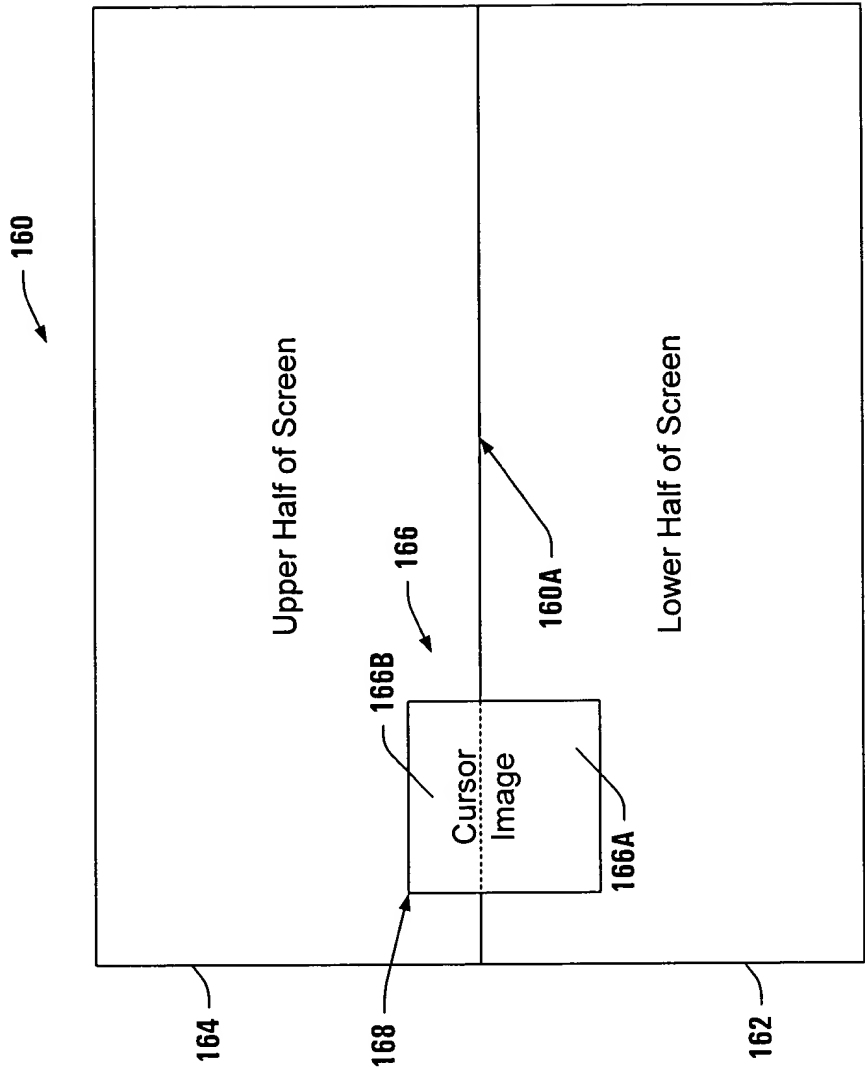


FIG. 9B

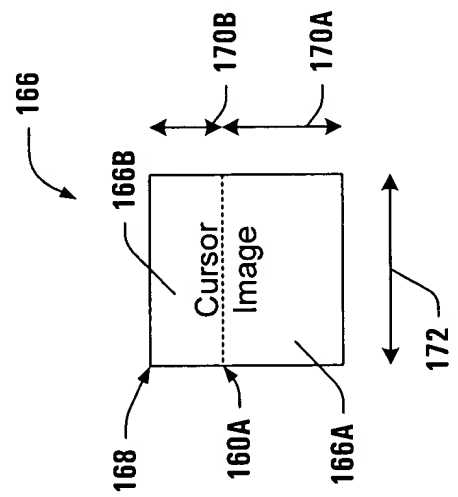


FIG. 9A

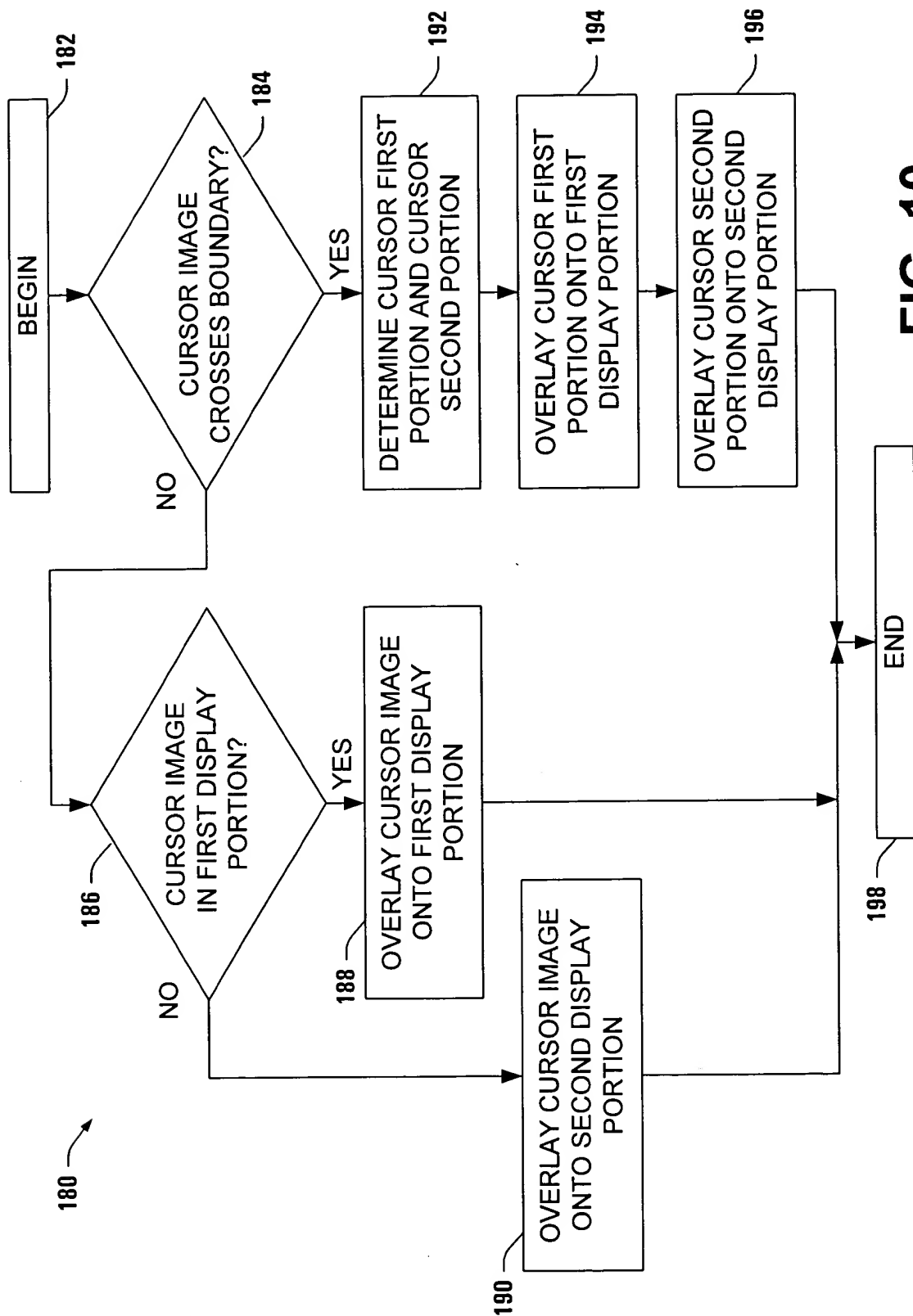


FIG. 10

003260" 6E922960

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	NA	NA

CURSOR_ADR_START

200

FIG. 11A

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	ADR	NA	NA

CURSOR_ADR_RESET

202

FIG. 11B

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
DLNS5	DLNS4	DLNS3	DLNS2	DLNS1	DLNS0	CSTEP ₁	CSTEP ₀	CLINS5	CLINS4	CLINS3	CLINS2	CLINS1	CLINS0	CWID1	CWID0

CURSORSIZE

FIG. 11C

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31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R	COLO _R

CURSORCOLOR1
CURSORCOLOR2
CURSORBLINK1
CURSORBLINK2

FIG. 11D

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31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	YLOC ₁₀	YLOC ₉	YLOC ₈	YLOC ₇	YLOC ₆	YLOC ₅	YLOC ₄	YLOC ₃	YLOC ₂	YLOC ₁	YLOC ₀

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
CEN	RSVD	RSVD	RSVD	RSVD	XLOC ₁₀	XLOC ₉	XLOC ₈	XLOC ₇	XLOC ₆	XLOC ₅	XLOC ₄	XLOC ₃	XLOC ₂	XLOC ₁	XLOC ₀

CURSORYLOC

208

FIG. 11E

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
CLHEN	RSVD	RSVD	RSVD	RSVD	YLOC ₁₀	YLOC ₉	YLOC ₈	YLOC ₇	YLOC ₆	YLOC ₅	YLOC ₄	YLOC ₃	YLOC ₂	YLOC ₁	YLOC ₀

CURSOR_DHSCAN_LH_YLOC


210

FIG. 11F

[illegible][illegible][illegible]

CURSORBLINK

FIG. 11G

212 

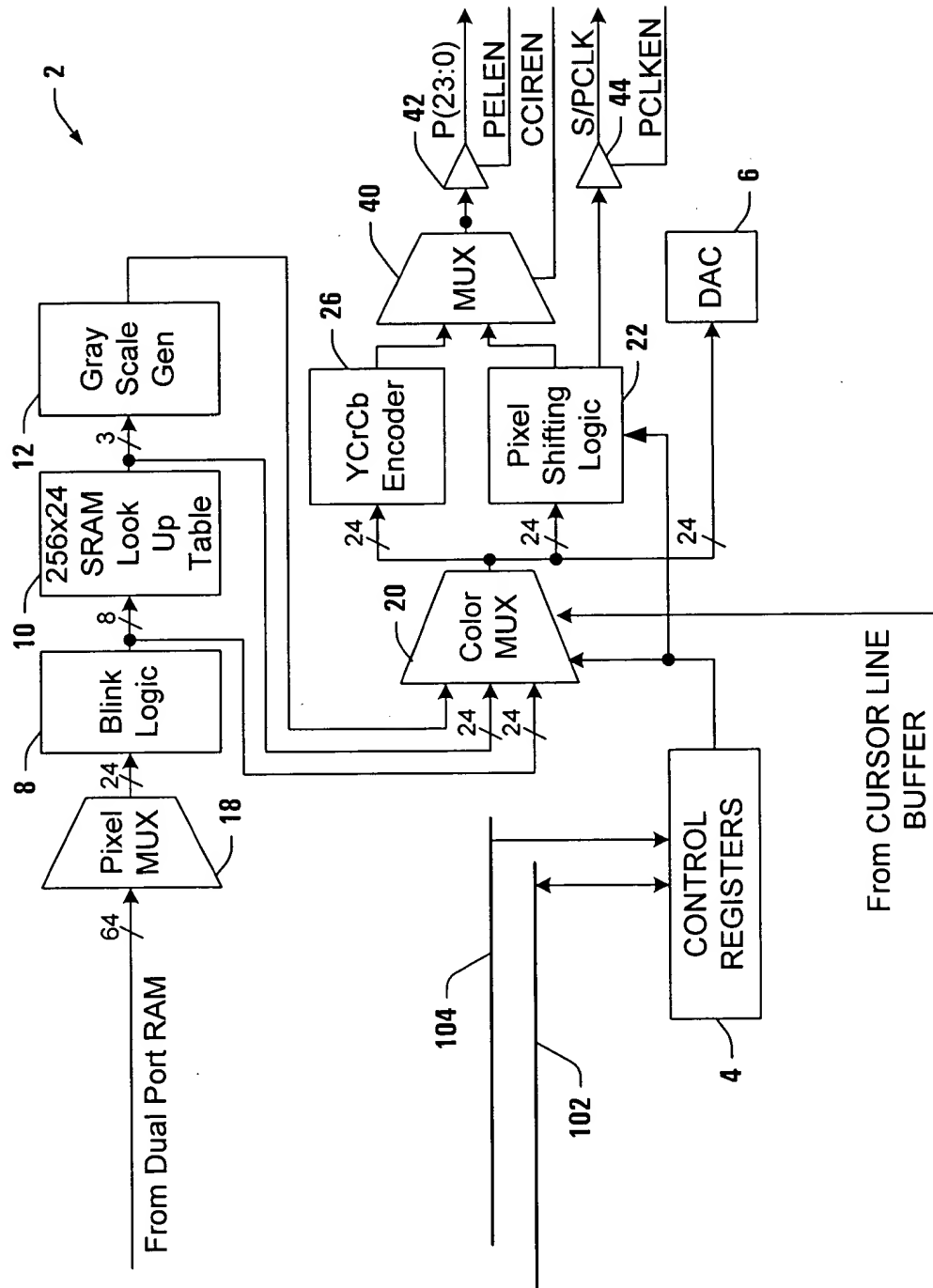


FIG. 12

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	DSCA	C3	C2	C1	C0	M3	M2	M1	M0	S2	S1	S0	P2	P1	P0

PIXELMODE

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FIG. 13A

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RD	DAT	DAT	DAT	DAT	DAT	DAT	DAT	DAT

PARLLIFOUT

232

FIG. 13B

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	ESTR T ₃	ESTR T ₂	ESTR T ₁	ESTR T ₀	CNT3	CNT2	CNT1	CNT0

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	DAT	DAT	DAT	DAT	DAT	DAT	DAT	DAT

PARLLIFIN

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FIG. 13C

FIG. 14A

FIG. 14A

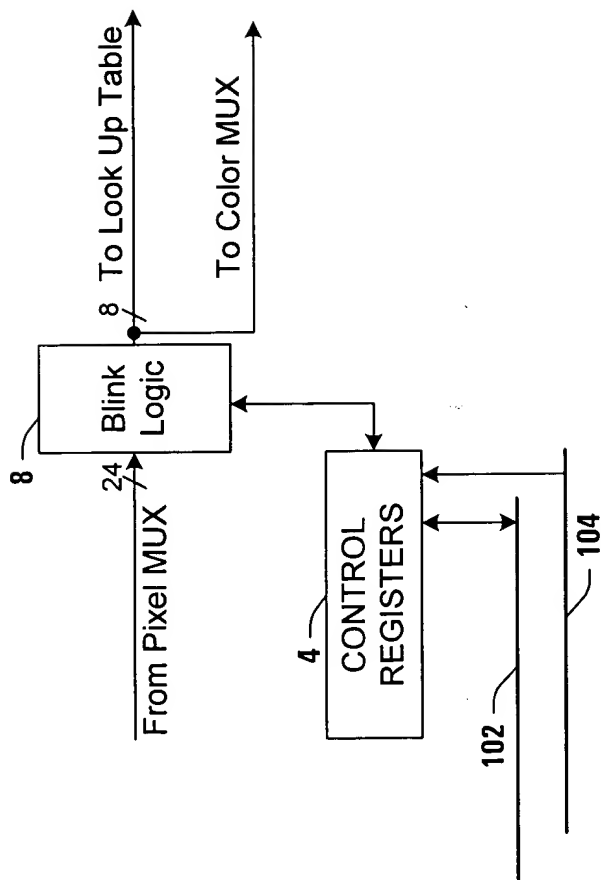


FIG. 15

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

BLINKRATE

250

FIG. 16A

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK	MASK

BLINKMASK

252

FIG. 16B

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR	PATR

BLINKPATR

254

FIG. 16C

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK	P MASK

PATTERNMASK

256

FIG. 16D

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF	BGOFF

BG_OFFSET

258

FIG. 16E

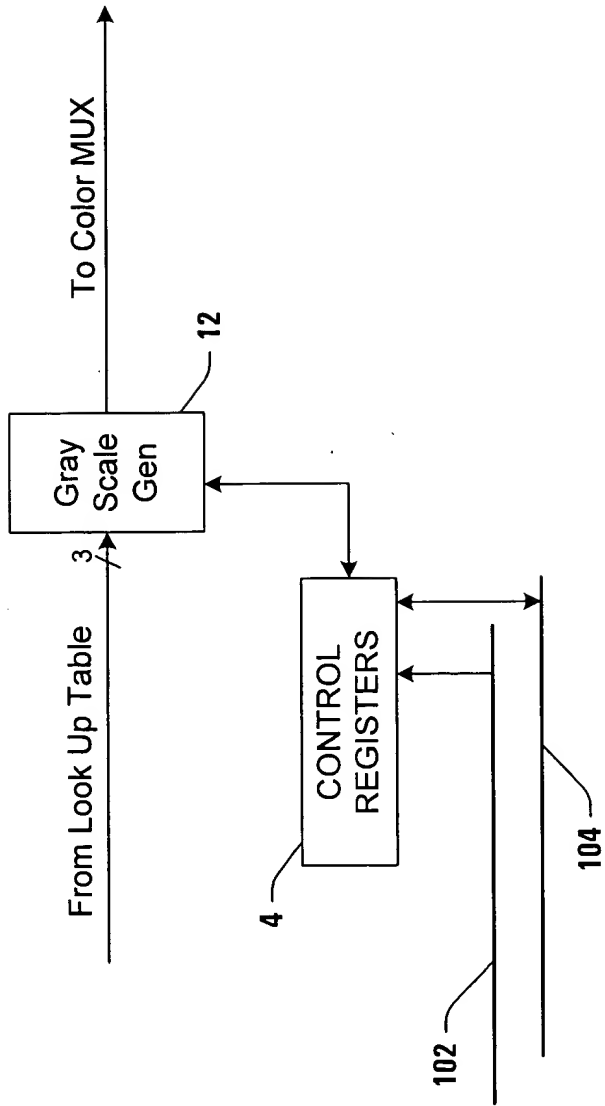


FIG. 17

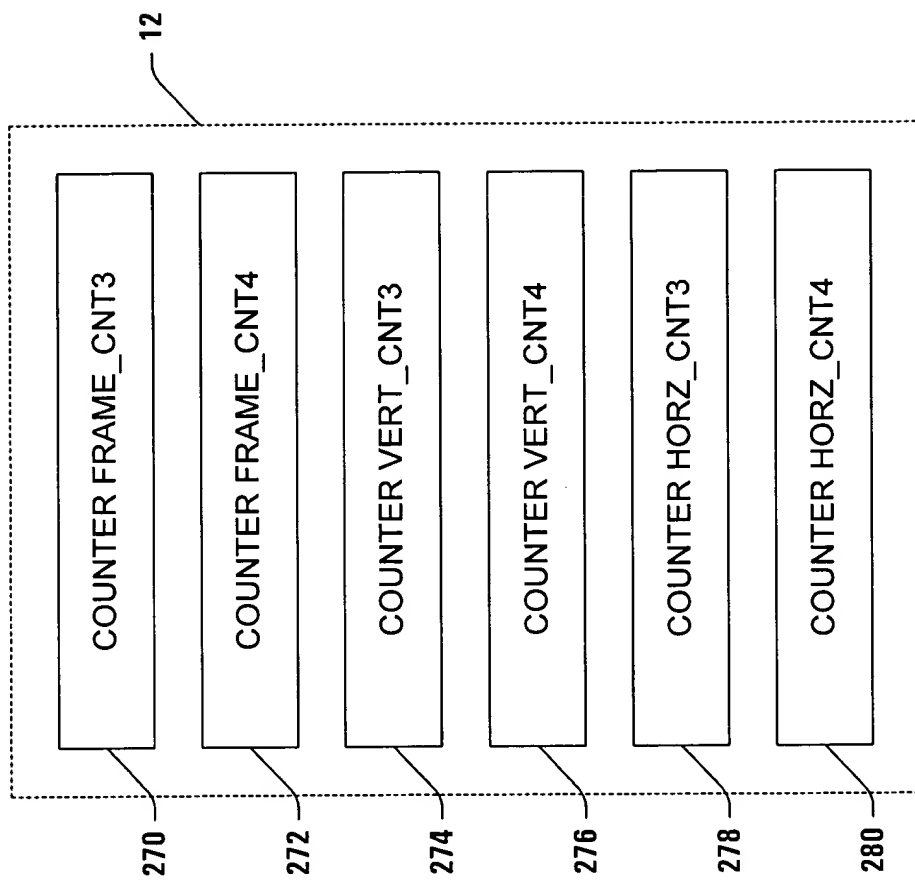


FIG. 18

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	RSVD	FRAME	VERT	HORZ

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0

GRAYSCALE LUT

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FIG. 19

00000000000000000000000000000000

FRAME	Vert	Horz	VCNT (lines)	11	11	11	11	10	10	10	10	10	01	01	01	01	00	00	00	00	GSLUT Address *4
Ctr	Ctr	Ctr	HCNT (pixels)	11	10	01	00	11	10	01	00	11	10	01	00	11	10	01	00	00	Pixel
D18	D17	D16	register address	D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0		
X	X	X	base + 0x80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00	Value
			base + 0xA0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000
			base + 0xC0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000
			base + 0xE0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000
X	X	X	base + 0x9C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	00	111
			base + 0xBC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	01	111
			base + 0xDC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	111
			base + 0xFC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	111

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FIG. 21

304 →

	H	O	R	Z
FRAME 0	1	1	1	1
V	1	1	1	1
E	1	1	1	1
R	1	1	1	1
T	1	1	1	1

FRAME 1	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0

FRAME 2	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1

FRAME 3	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0

FIG. 22

312 →

	H	O	R	Z
FRAME 0	1	0	0	
V				
E	0	1	0	
R	0	0	1	
T				

FRAME 1	0	1	0
	0	0	1
	1	0	0

FRAME 2	0	0	1
	1	0	0
	0	1	0

FIG. 26

00000000000000000000000000000000

FRAME	Vert Ctr	Horz Ctr	VCNT (lines) HCNT (pixels) register address	11	11	11	11	10	10	10	10	10	01	01	01	01	01	00	00	00	00	00	00	00	00	00	00	00	GSLUT Address *4	
				D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0	FRAME	Pixel	Value								
D18	D17	D16																												
0	0	0	base + 0x88	x	x	x	x	x	0	1	0	x	1	0	0	x	0	1	0	0	0	0	0	0	0	0	0	0	00	010
			base + 0xA8	x	x	x	x	x	1	0	0	x	0	1	0	x	0	1	0	0	0	0	0	0	0	0	0	0	01	010
			base + 0xC8	x	x	x	x	x	0	0	0	1	x	0	0	1	x	1	0	0	0	0	0	0	0	0	0	0	10	010
			base + 0xE8	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	11	11	010	

316

FIG. 28

000000" 66922960

318 →

H O R Z

FRAME 0

1	0	0	0
0	0	1	1
0	1	0	0

V E R T

FRAME 1

0	1	0	0
0	1	0	0
0	0	1	1

FRAME 2

0	0	1	1
1	0	0	1
1	0	0	0

FIG. 29

00000000 6E922960

FRAME	Vert Ctr	Horz Ctr	VCNT (lines)		HCNT (pixels)		D15		D14		D13		D12		D11		D10		D9		D8		D7		D6		D5		D4		D3		D2		D1		D0		GSLUT Address *4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	10	11	FRAME	Pixel																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
D18	D17	D16	D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0

320

FIG. 30

Display Type	Horizontal Resolution	Vertical Resolution	Video Clock frequency (MHz)	Frame Buffer Storage format	Display Data format	pixels per shift clock	Pixel Shift Clock frequency (MHz)	Vertical Frame Rate (Hz)
VFD	128 x 32		2	4 bpp	monochrome	8	0.25	400
LCD	128 x 64		2	4 bpp	monochrome	4	0.5	230
LCD	256 x 128		2	4 bpp	monochrome	4	0.5	60
"QVGA" TFT LCD	320 x 234		6.4	8 bpp	analog	1	6.4	80
QVGA STN LCD	320 x 240		4	4 bit RGB	4 bit RGB	1	4	50
HVGA STN LCD	640 x 240		8	4 bit RGB	4 bit RGB	1	8	50
"VGA" DC Plasma	640 x 400		16	4 bpp	monochrome	4	4	60
VGA EL	640 x 480		24	4 or 8 bpp	grayscale	8	3	75
VGA STN LCD	640 x 480		24	8 or 16 bpp	18 bit RGB	1	24	75
VGATFT LCD	640 x 480		24	8, 16, or 24 bpp	18 bit RGB	1	24	75
VGA CRT	640 x 480		25.175	8, 16, or 24 bpp	analog	1	NA	70
VGA CRT	640 x 480		32	8, 16, or 24 bpp	analog	1	NA	85
SVGA TFT LCD	800 x 600		40	8, 16, or 24 bpp	18 bit RGB	1	40	80
SVGA CRT	800 x 600		50	8, 16, or 24 bpp	analog	1	NA	85
XGA TFT LCD	1024 x 768		60	8, 16, or 24 bpp	18 bit RGB	2	30	72
XGA CRT	1024 x 768		75	8, 16, or 24 bpp	analog	1	NA	80
SXGA TFT LCD	1280 x 1024		85	8, 16, or 24 bpp	18 or 24 bit RGB	1	85	60
SXGA CRT	1280 x 1024		110	8, 16, or 24 bpp	analog	1	NA	70
SXGAW TFT LCD	1400 x 1024		90	8, 16, or 24 bpp	18 or 24 bit RGB	1	90	60
SXGA+ TFT LCD	1400 x 1050		110	8, 16, or 24 bpp	18 or 24 bit RGB	1	110	70
UXGA TFT LCD	1600 x 1200		135	8, 16, or 24 bpp	18 or 24 bit RGB	1	135	65
UXGA CRT	1600 x 1200		135	8, 16, or 24 bpp	analog	1	NA	60
UXGAW TFT LCD	1900 x 1200		135	8, 16, or 24 bpp	18 or 24 bit RGB	1	135	60
HDTV-2 LCD	1280 x 720		50	8, 16, or 24 bpp	24 bit RGB	1	50	50
HDTV-2 CRT	1280 x 720		66	8, 16, or 24 bpp	analog	1	NA	60
HDTV-4 LCD	1920 x 1080		135	8, 16, or 24 bpp	24 bit RGB	1	135	60
HDTV-4 CRT	1920 x 1080		135	8, 16, or 24 bpp	analog	1	NA	55
QXGA LCD	2048 x 1536		135	4 bpp	monochrome	8	16.875	40
QXGA LCD	2560 x 2048		135	4 bpp	monochrome	8	16.875	24
QUXGA LCD	3200 x 2400		135	4 bpp	monochrome	8	16.875	17

FIG. 31

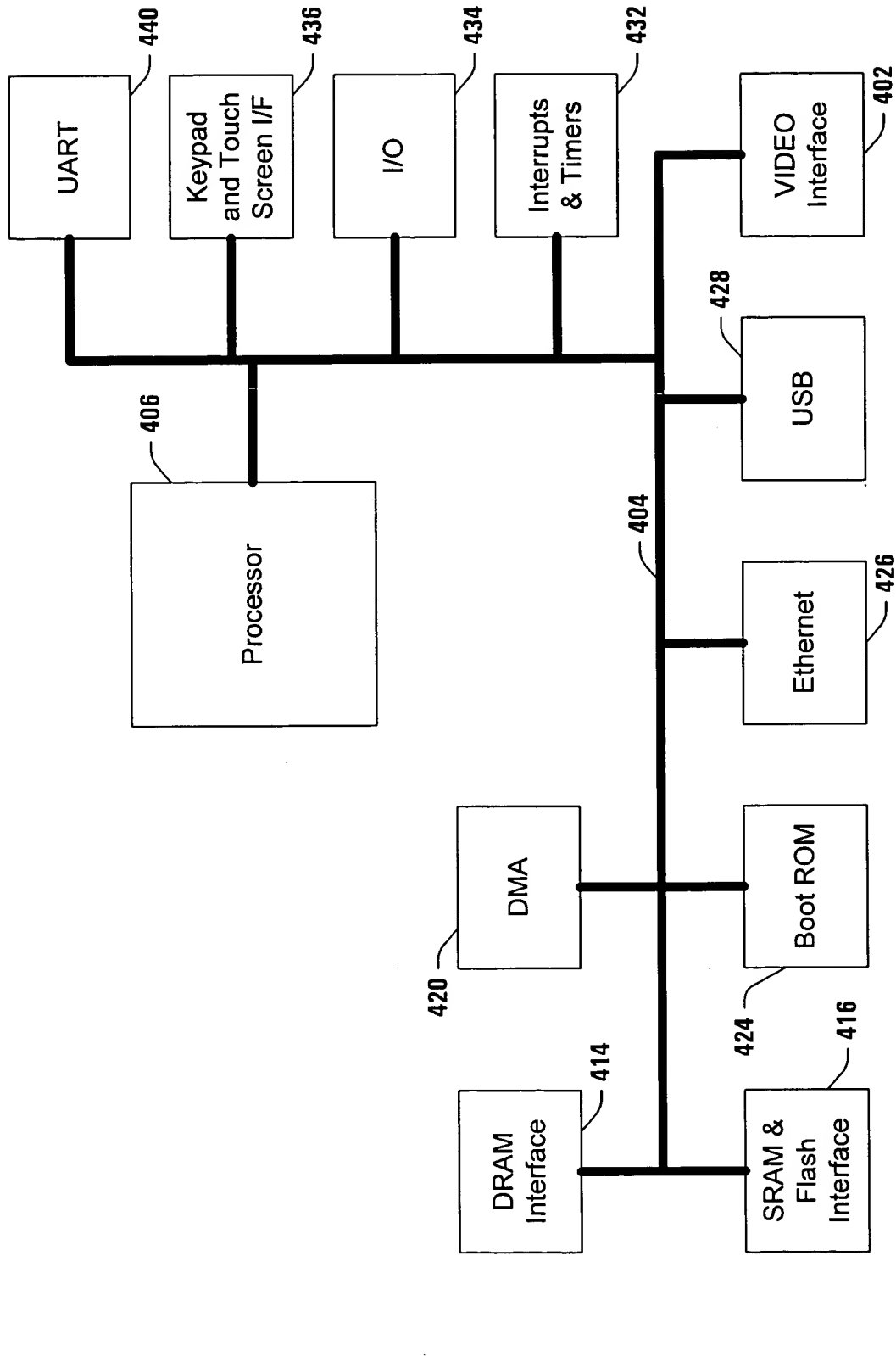


FIG. 32